

S/N 10/751,138

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	HA ET AL.	Examiner:	UNKNOWN
Serial No.:	10/751,138	Group Art Unit:	UNKNOWN
Filed:	DECEMBER 30, 2003	Docket No.:	9717.24US01
Title:	METHOD TO MANUFACTURE COMPOSITE POLYMER ELECTROLYTE MEMBRANES COATED WITH INORGANIC THIN FILMS FOR FUEL CELLS		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Mail Stop Non-Fee Amendment, P.O. Box 1450, Alexandria, VA 22313-1450 on March 29, 2004.

By:

Name:

Debra A Bailey
Debra A Bailey

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted within three months of the filing date of the above-identified application, which is not an application under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

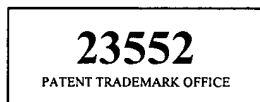
In accordance with 37 C.F.R. § 1.98(a)(2)(i), a copy of the U.S. patents and U.S. patent publications listed on the enclosed Form 1449 are not provided, as this application was filed after June 30, 2003. A copy of any foreign patent document or "Other Document" listed on the Form 1449 is enclosed, in accordance with 37 C.F.R. § 1.98(a)(2).

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.



Date: Mar. 29, 2004

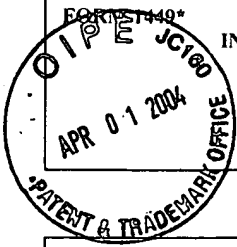
Respectfully submitted,

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A handwritten signature in cursive script, reading "Curtis B. Hamre". The signature is written in dark ink and is positioned above a horizontal line.

Curtis B. Hamre
Reg. No. 29,165
CBH:PSTdb

FORM 149* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number:	Application Number:
	9717.24US01	10/751,138
	Applicant: HA ET AL.	
	Filing Date: 12/30/2003	Group Art Unit: UNKNOWN



U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	1020020004065	01/16/2002	KR			Abstract	
	1020020074582	10/04/2002	KR			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Hobson, L.J. et al., "Modified Nafion 117 as an Improved Polymer Electrolyte Membrane for Direct Methanol Fuel Cells," <i>Jrnl. of the Electrochemical Society</i> , Vol. 148, No. 10, pp. A1185-A1190 (2001)
		Hobson, L.J. et al., "Targeting improved DMFC performance," <i>Jrnl. of Power Sources</i> , Vol. 104, pp. 79-84 (2002)
		Jung, D.H. et al., "Performance evaluation of a Nafion/silicon oxide hybrid membrane for direct methanol fuel cell," <i>Jrnl. of Power Sources</i> , Vol. 106, pp. 173-177 (2002)

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PATENT TRADEMARK OFFICE

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	